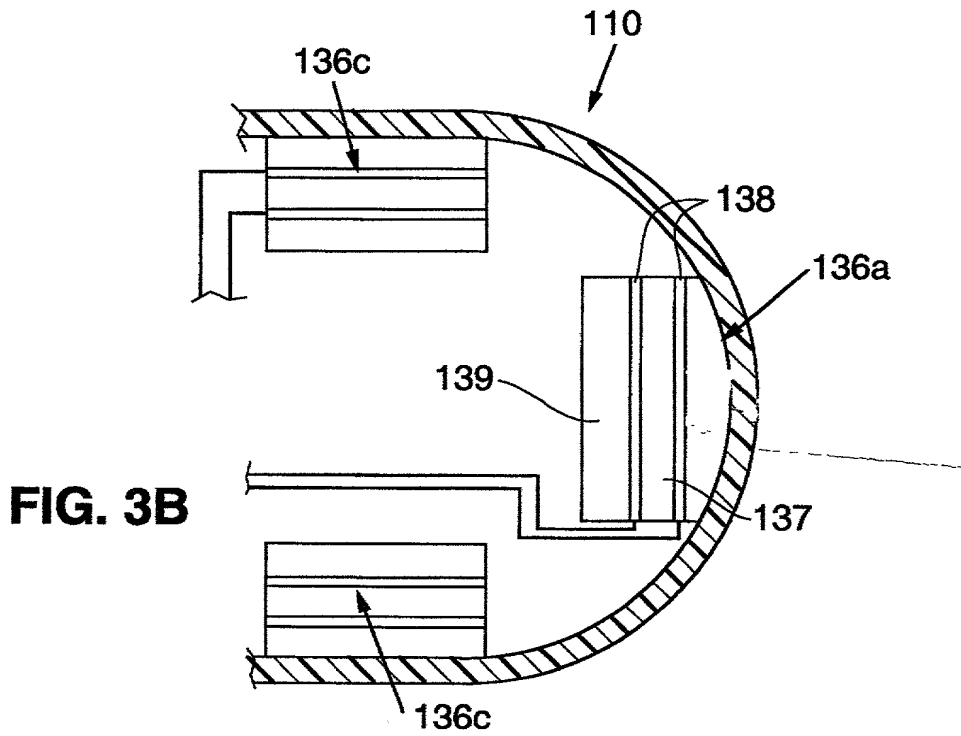


**FIG. 3A**



**FIG. 3B**

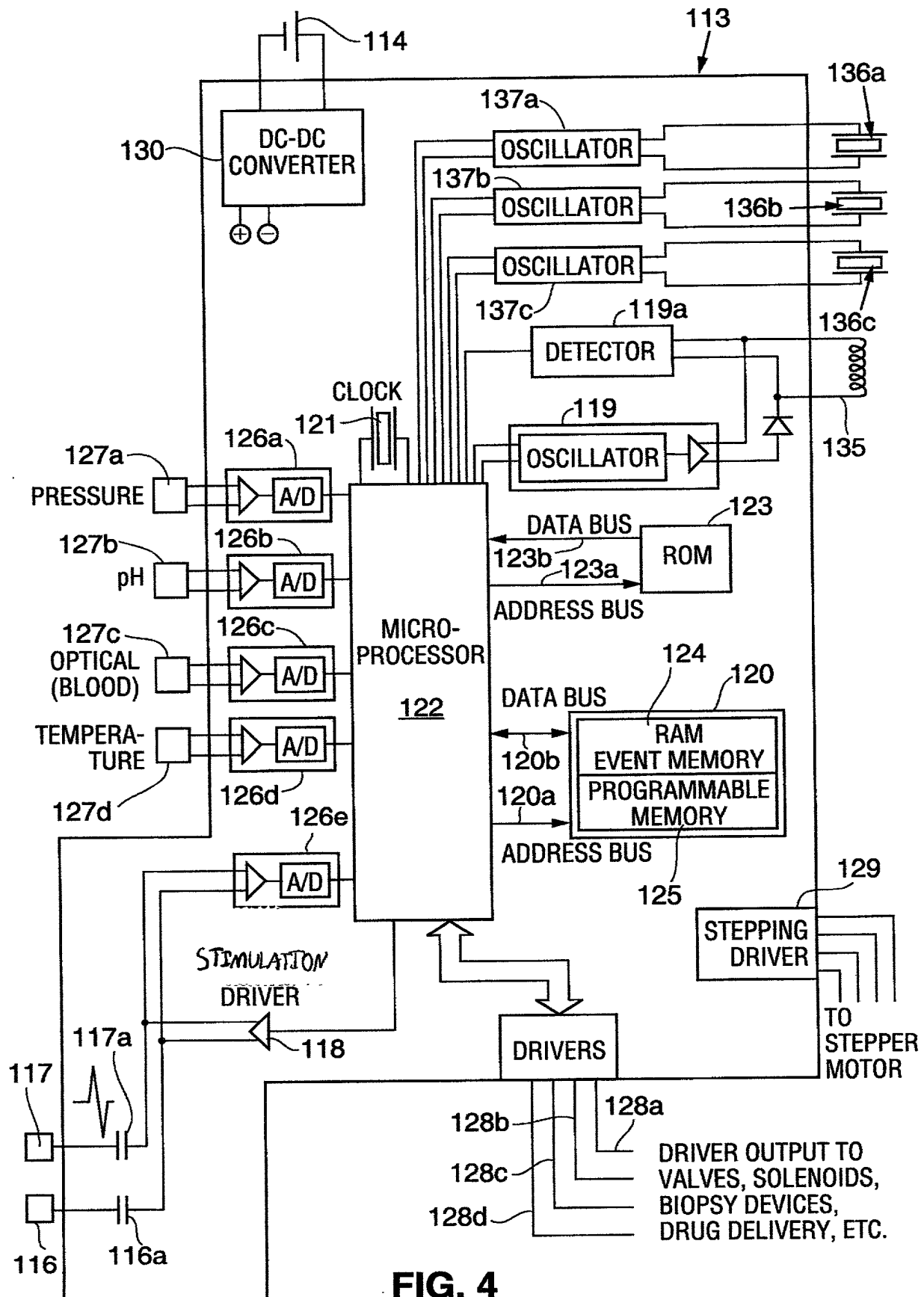


FIG. 4

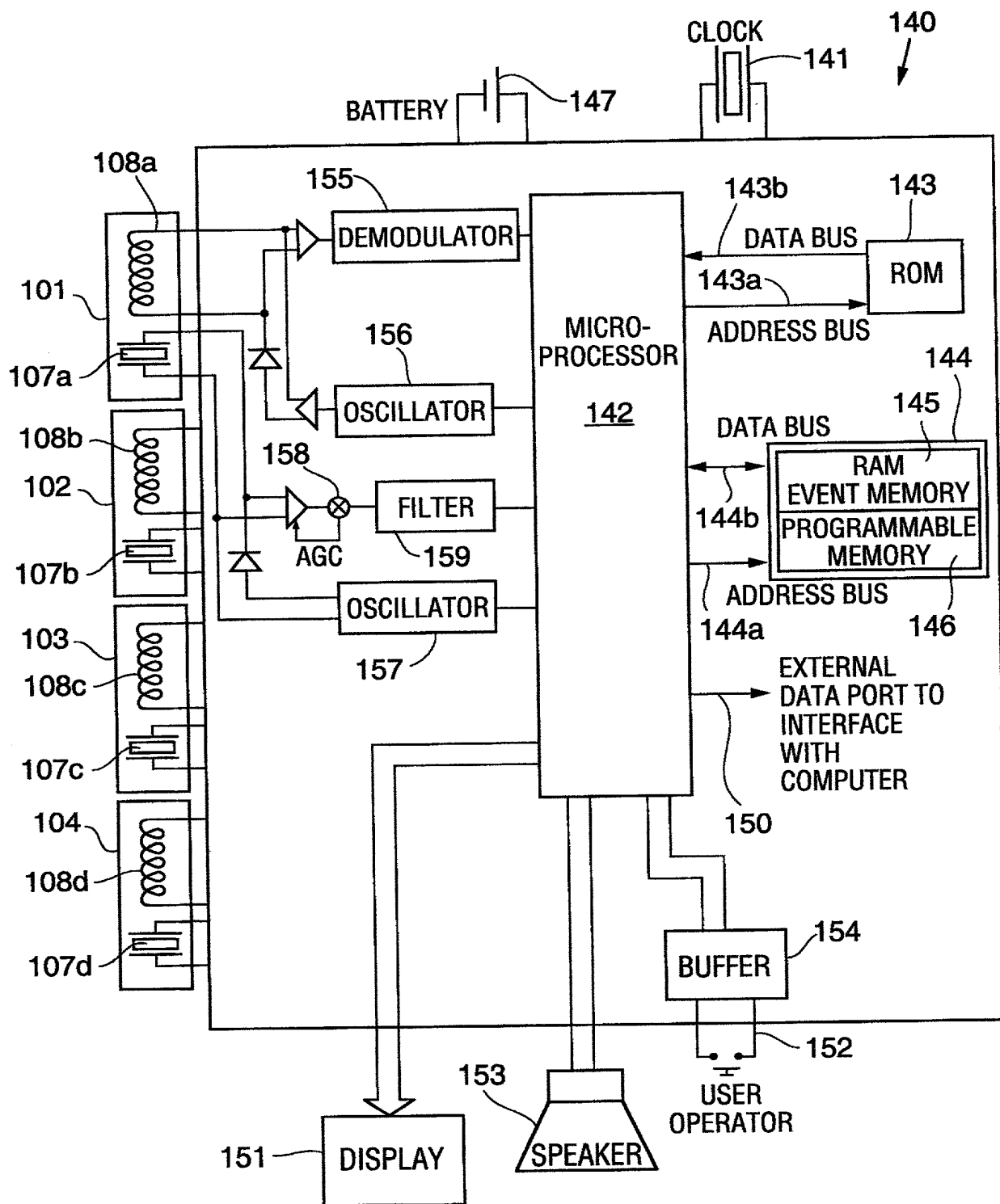


FIG. 5

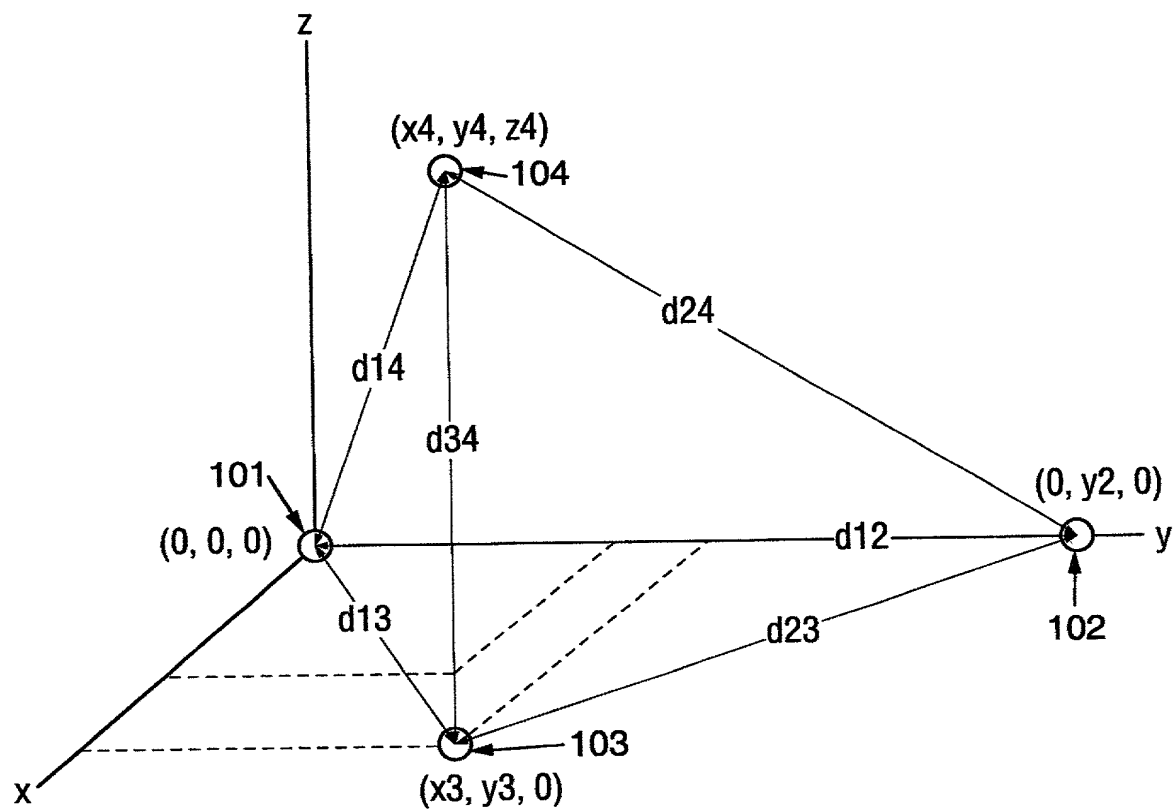


FIG. 6

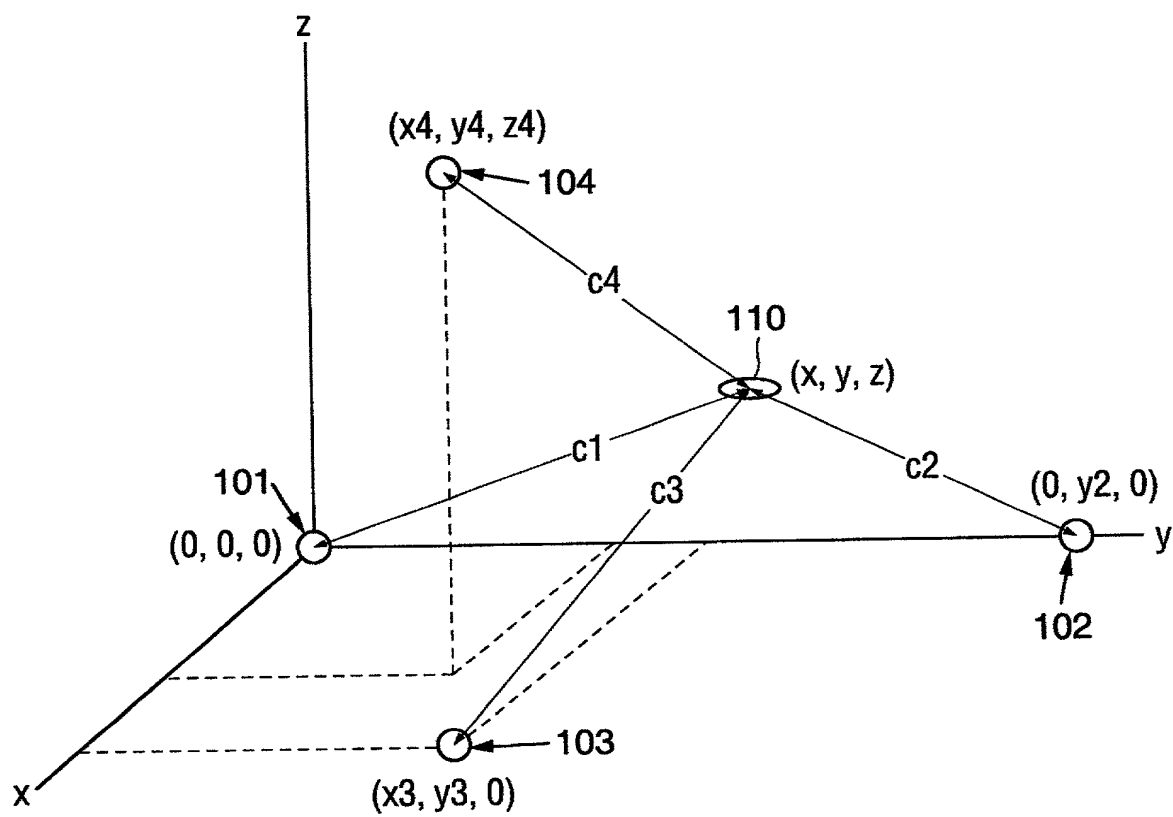
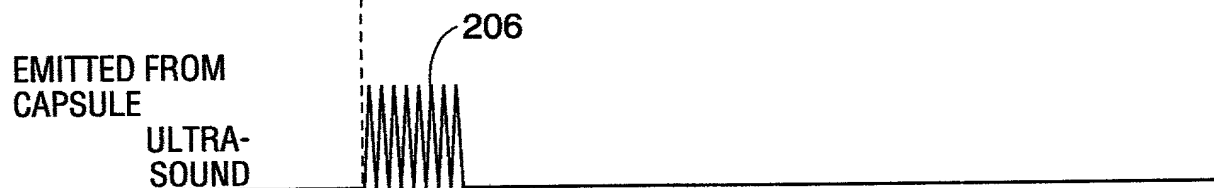


FIG. 7



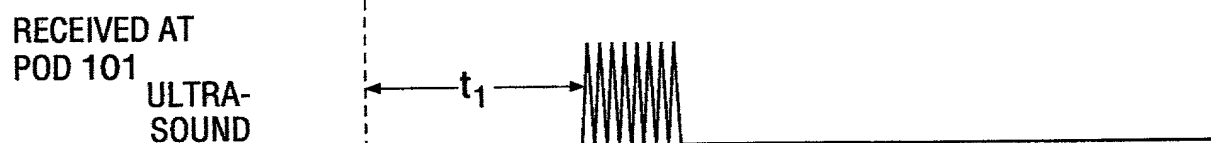
**FIG. 8A**



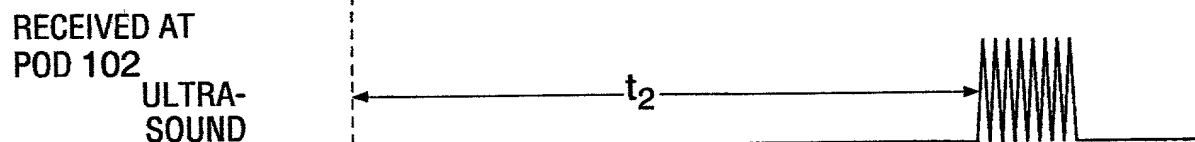
**FIG. 8B**



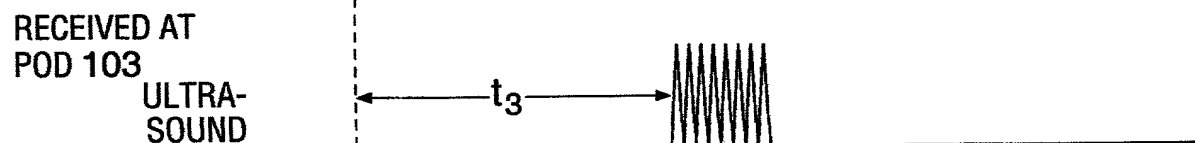
**FIG. 8C**



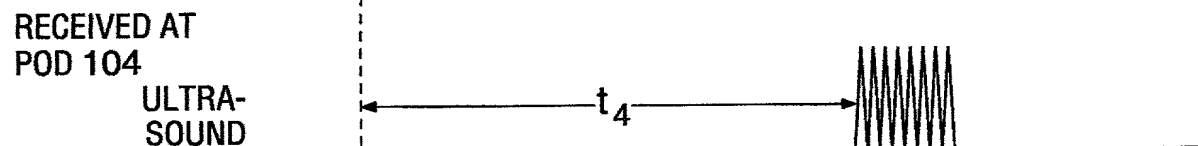
**FIG. 8D**



**FIG. 8E**

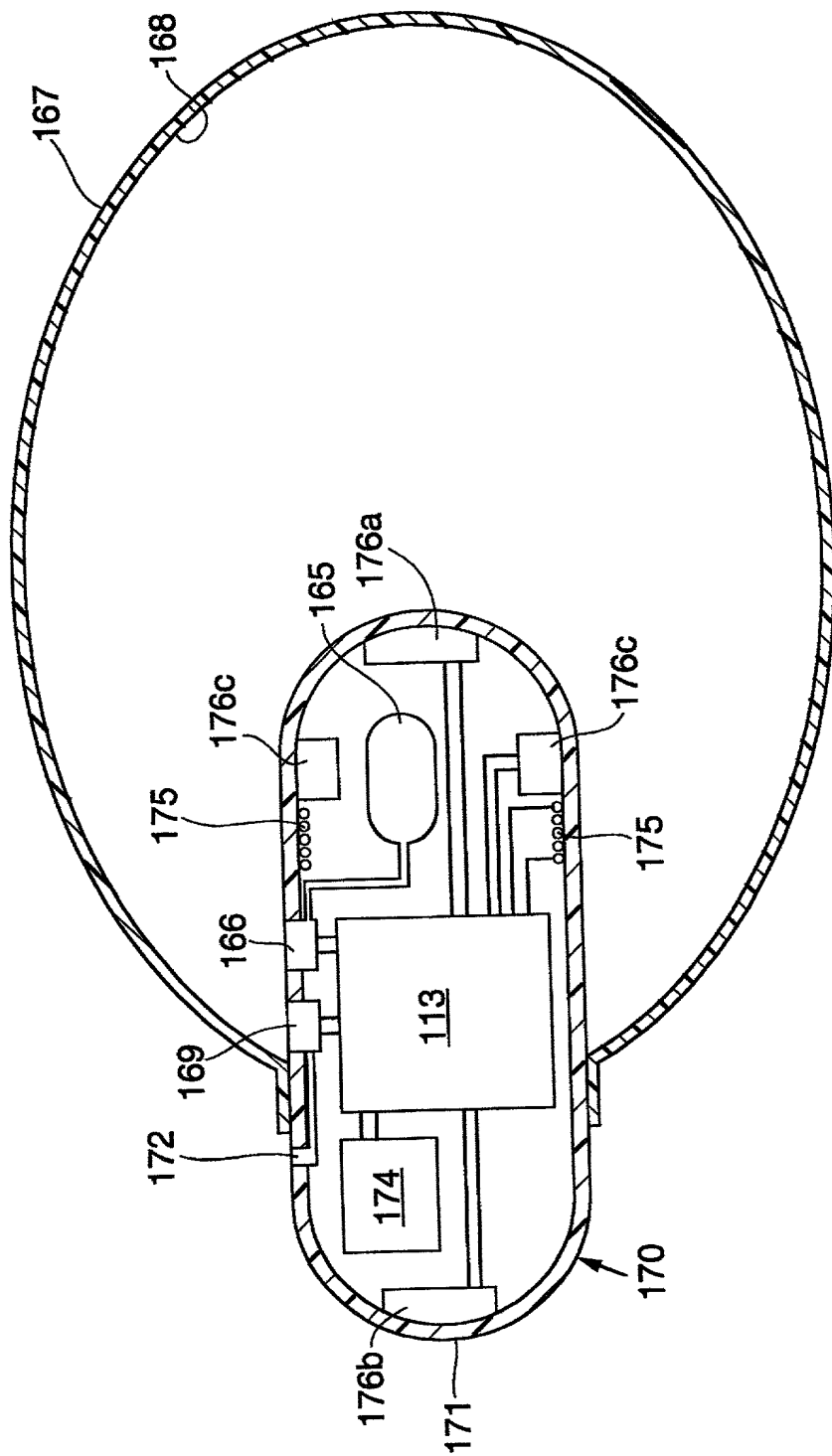


**FIG. 8F**



**FIG. 8G**





**FIG. 9**

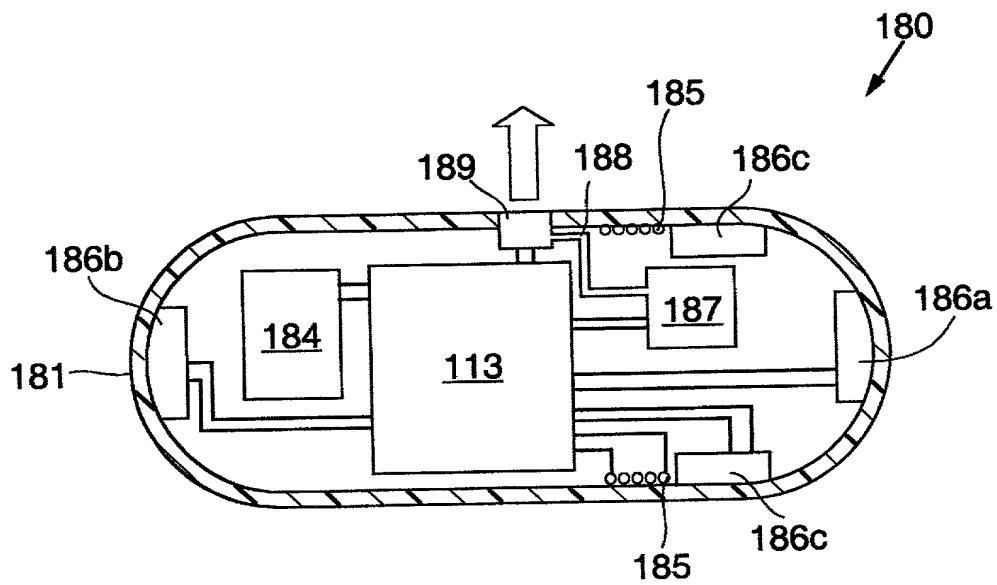


FIG. 10

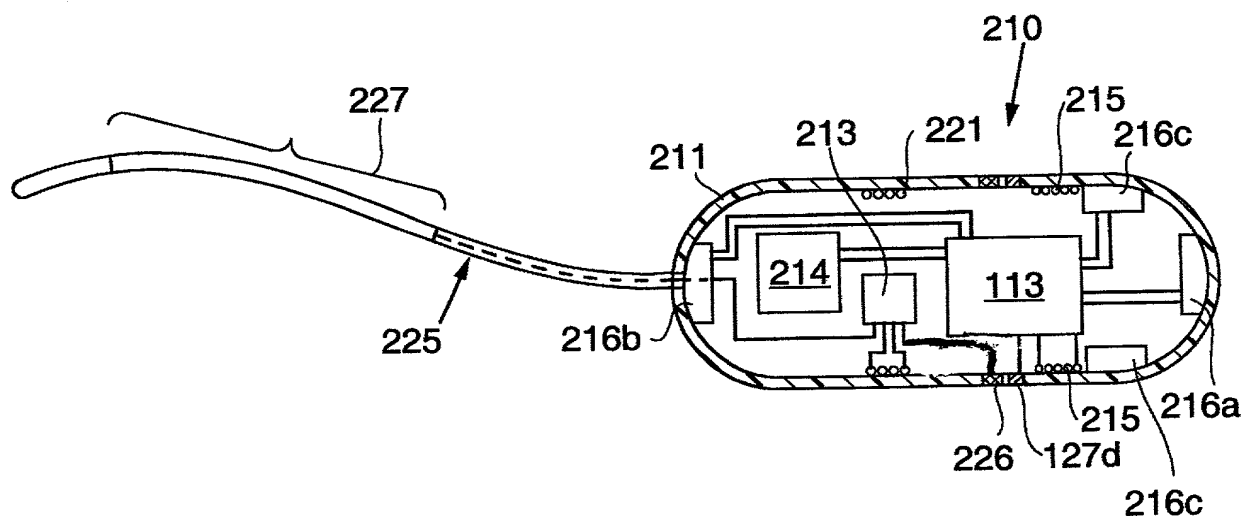


FIG. 12

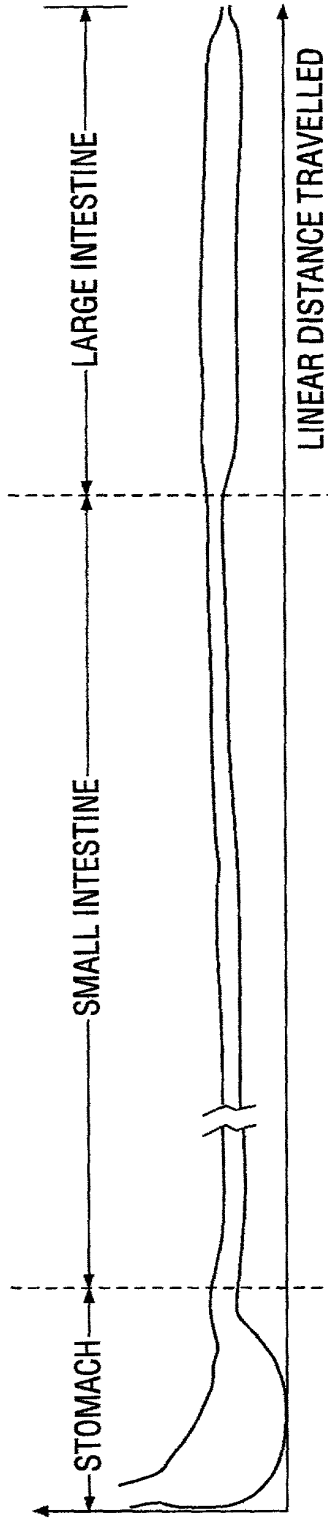
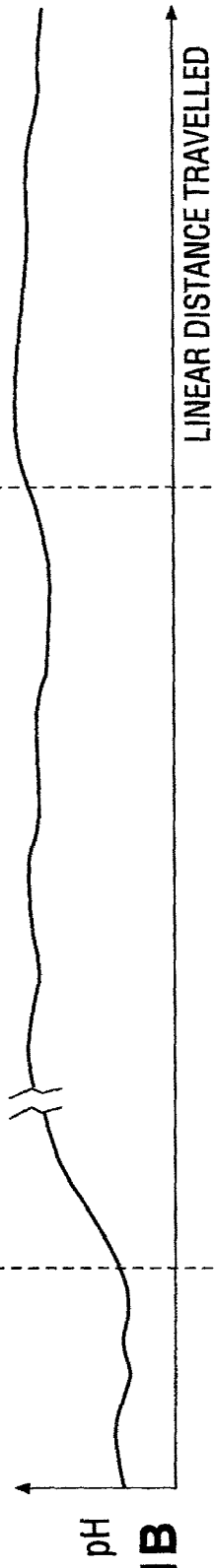
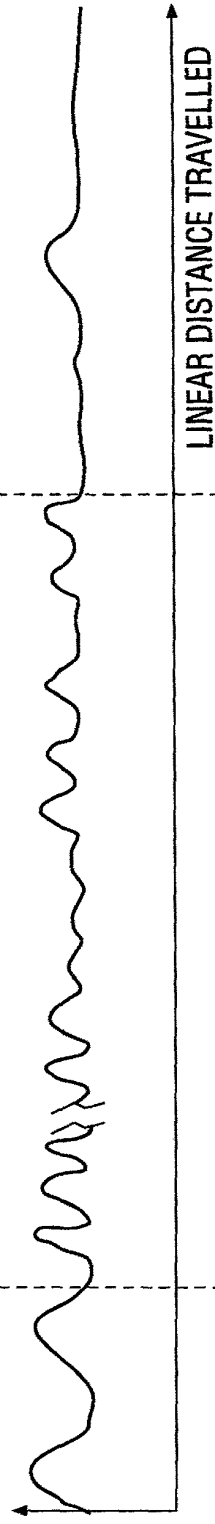


FIG. 11A



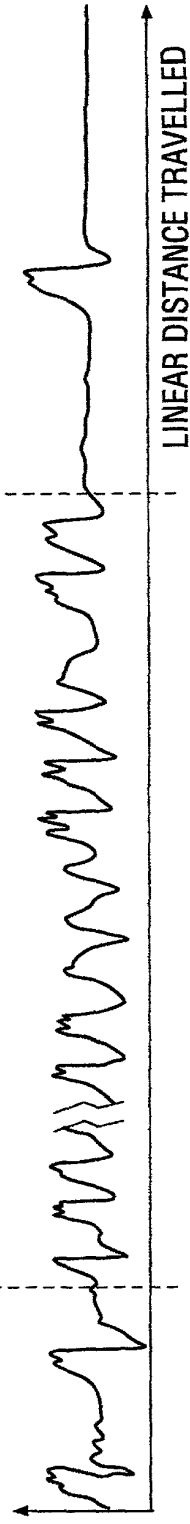
pH

FIG. 11B



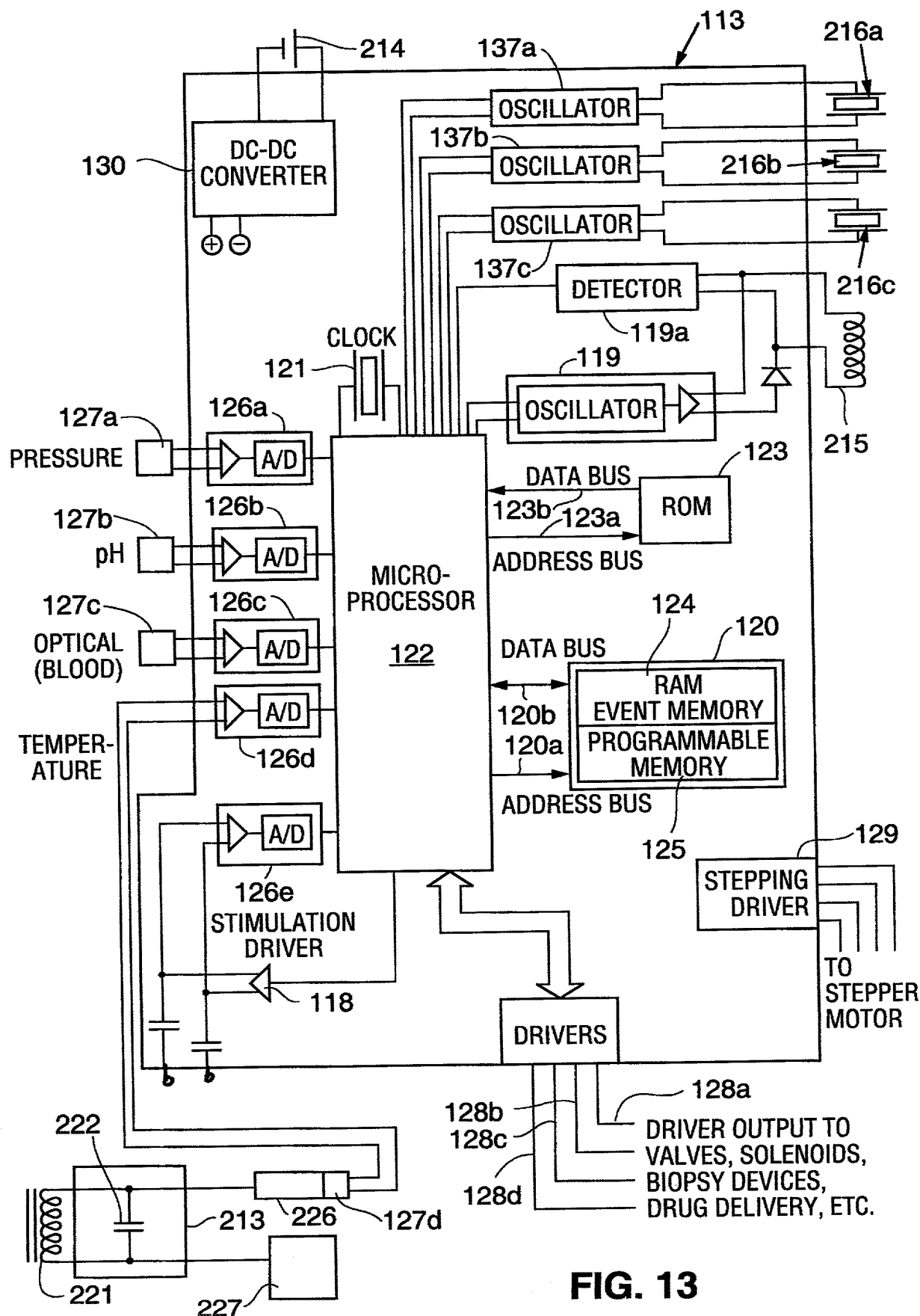
PRESSURE

FIG. 11C

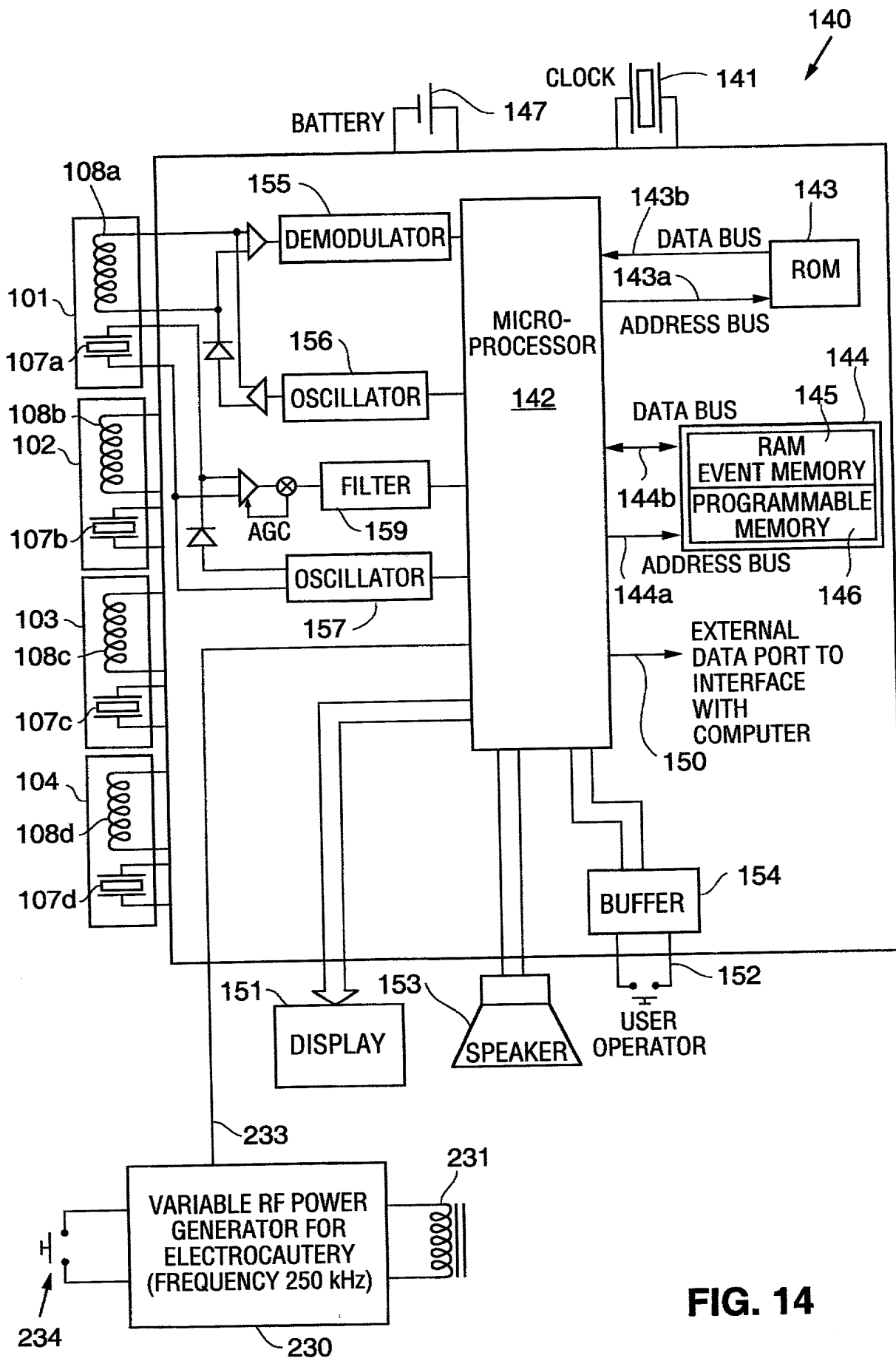


ELECTRICAL  
ACTIVITY

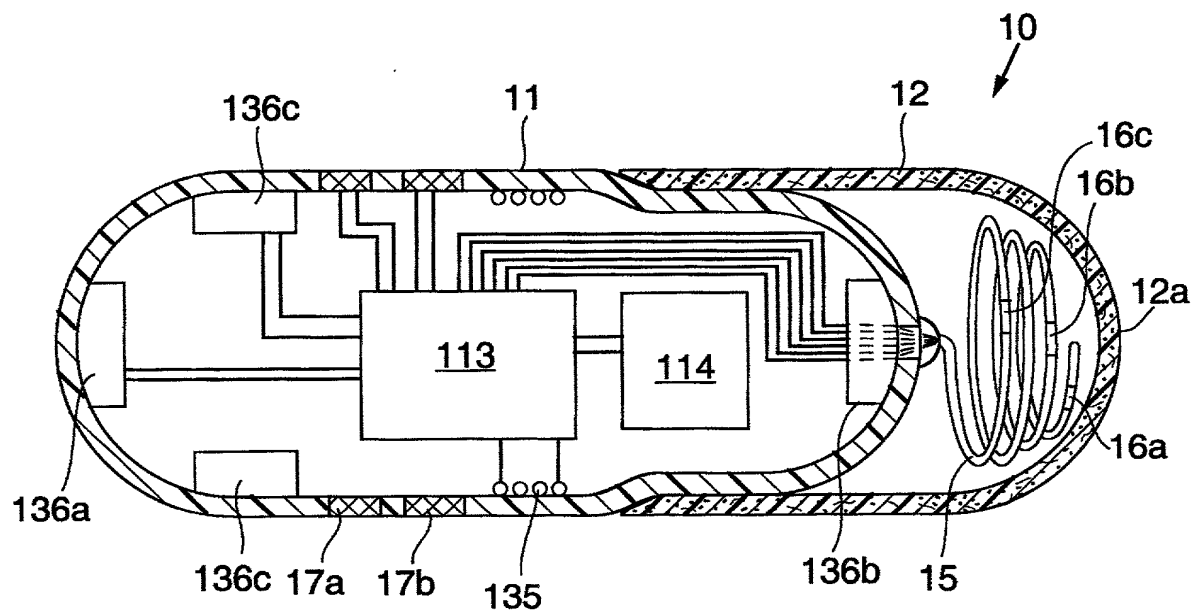
FIG. 11D



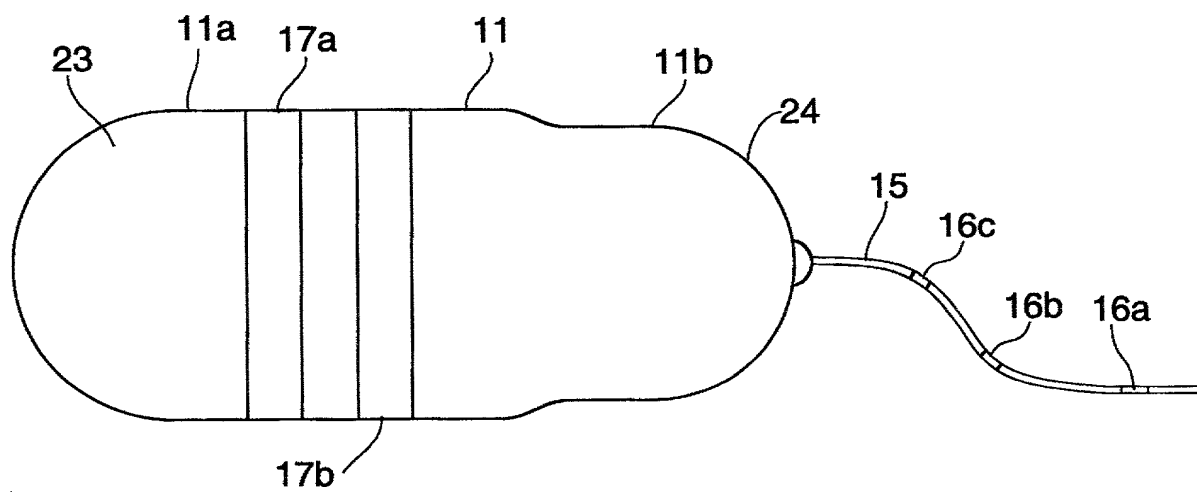
**FIG. 13**



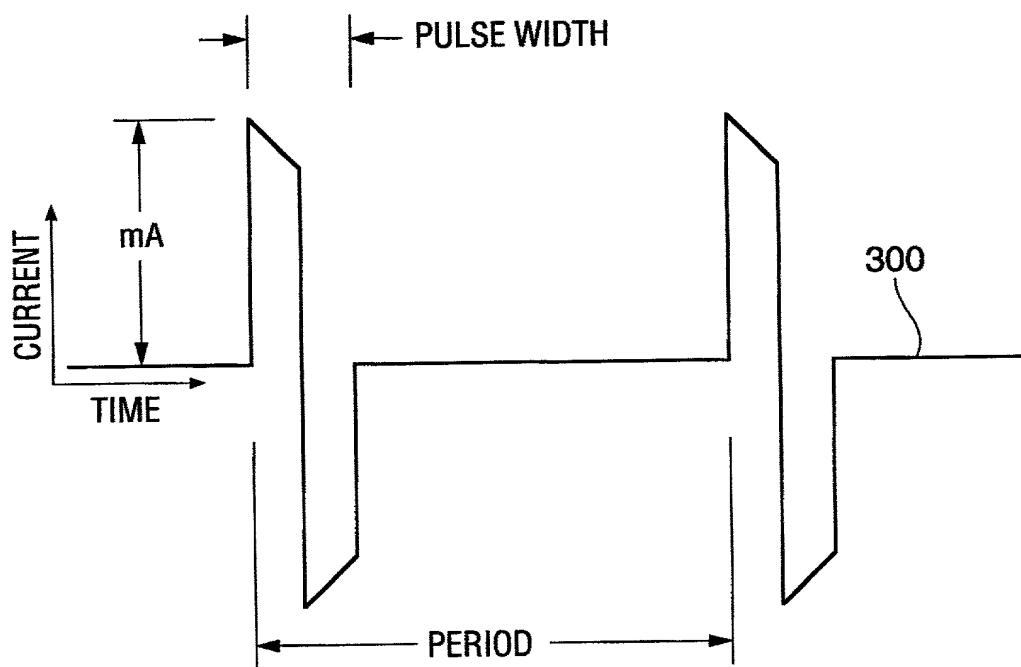
**FIG. 14**



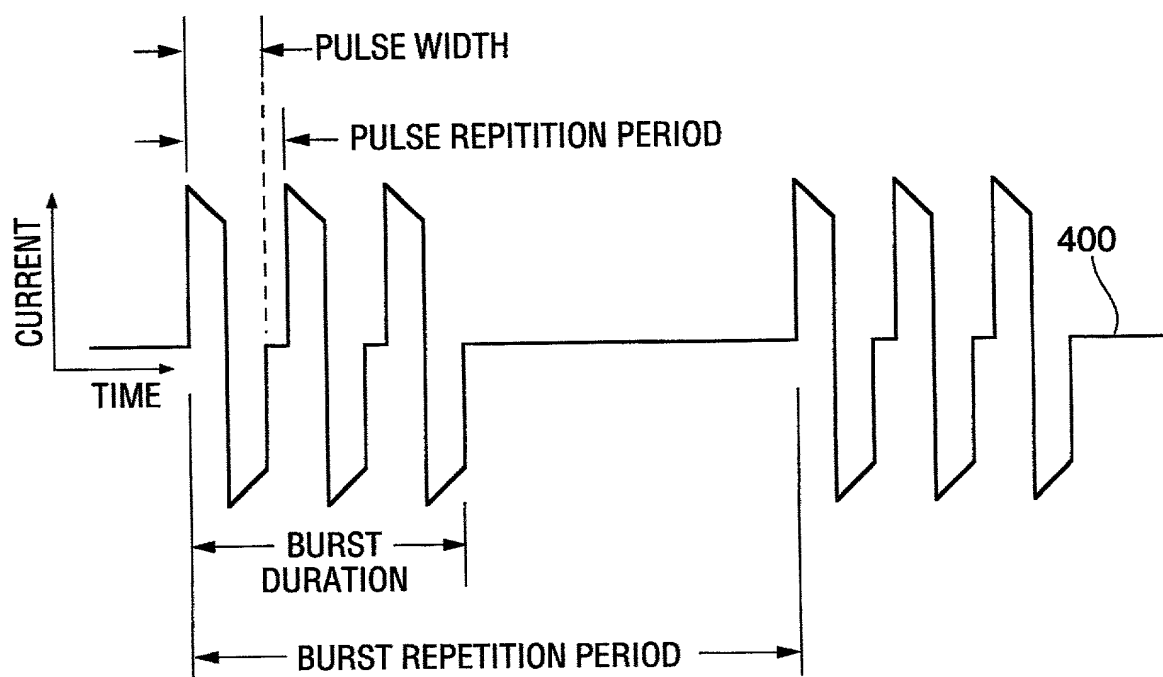
**FIG. 15**



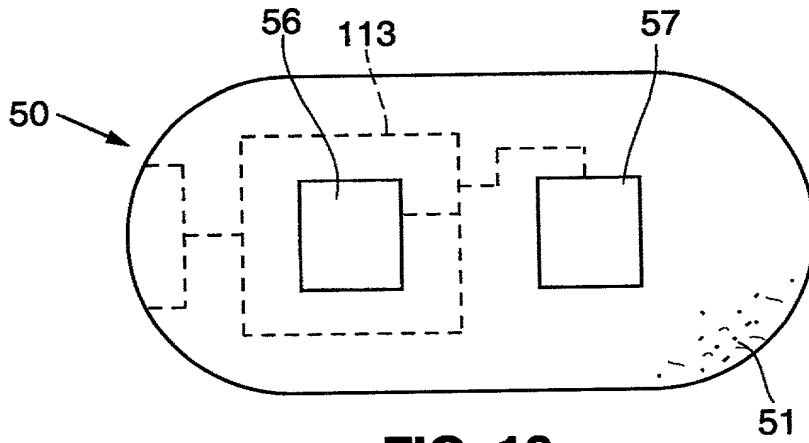
**FIG. 16**



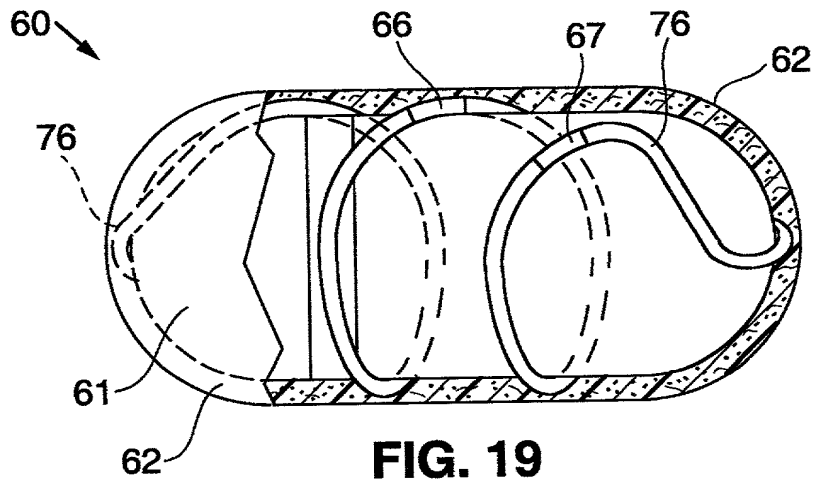
**FIG. 17A**



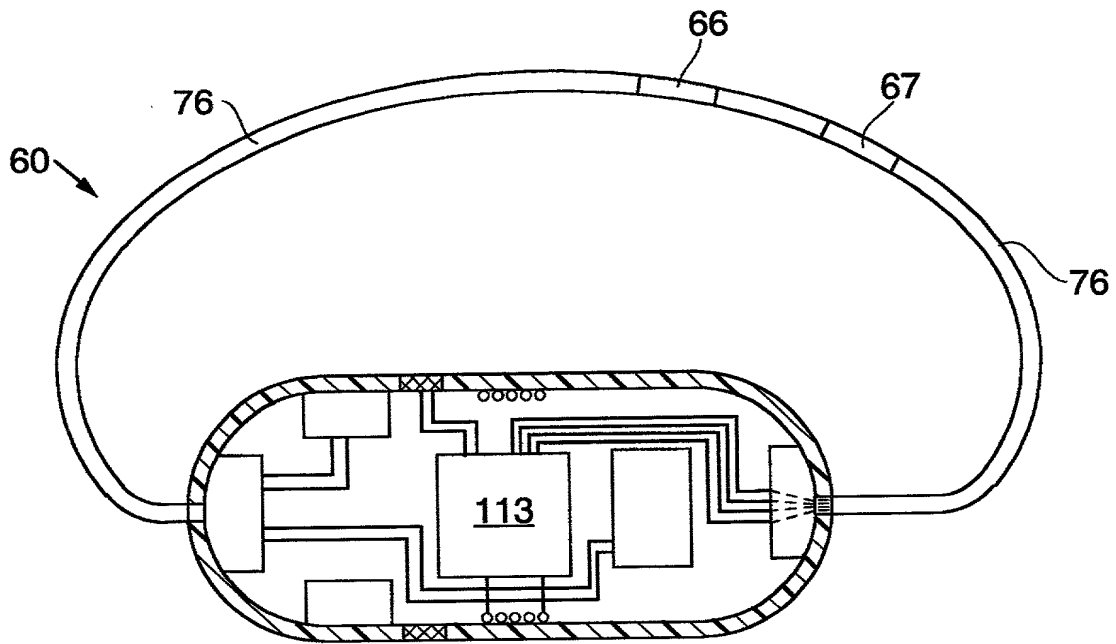
**FIG. 17B**



**FIG. 18**



**FIG. 19**



**FIG. 20**



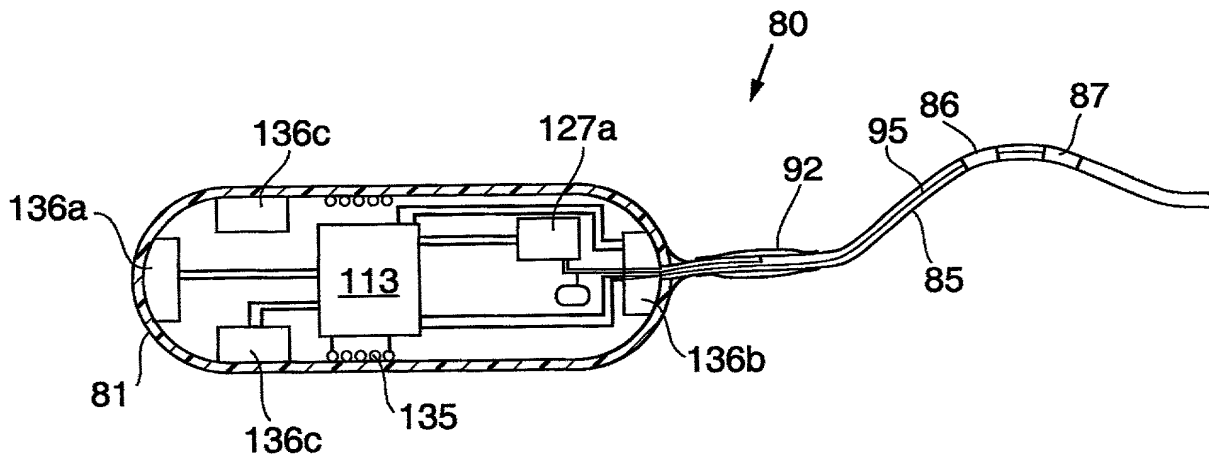


FIG. 21

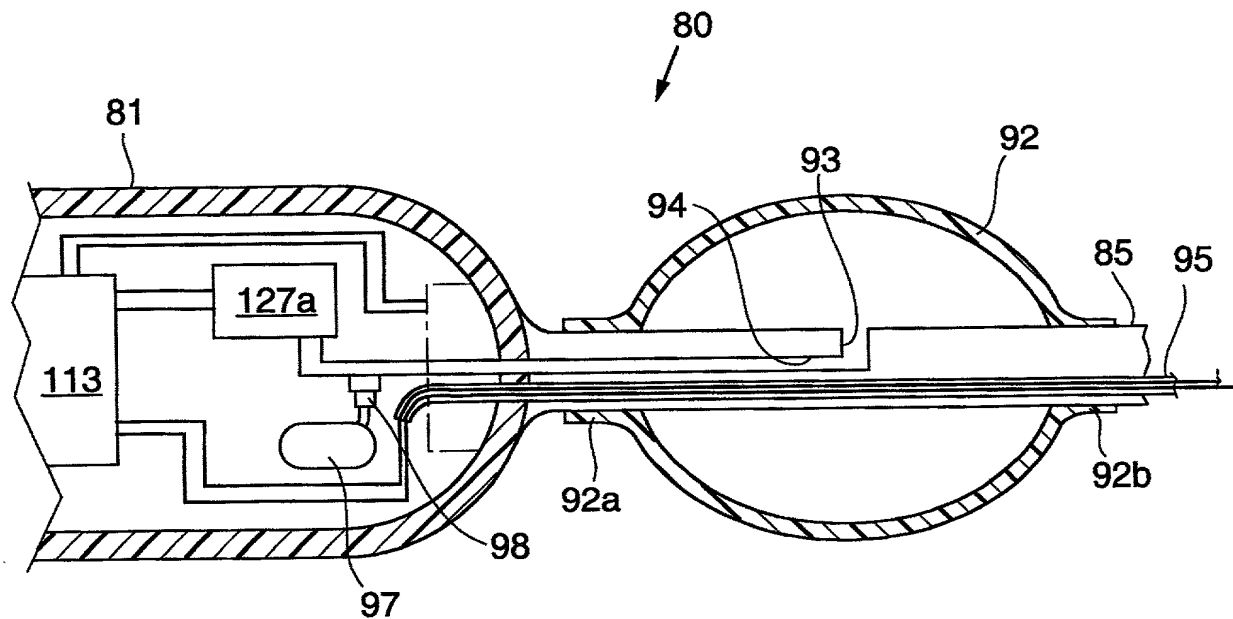


FIG. 22

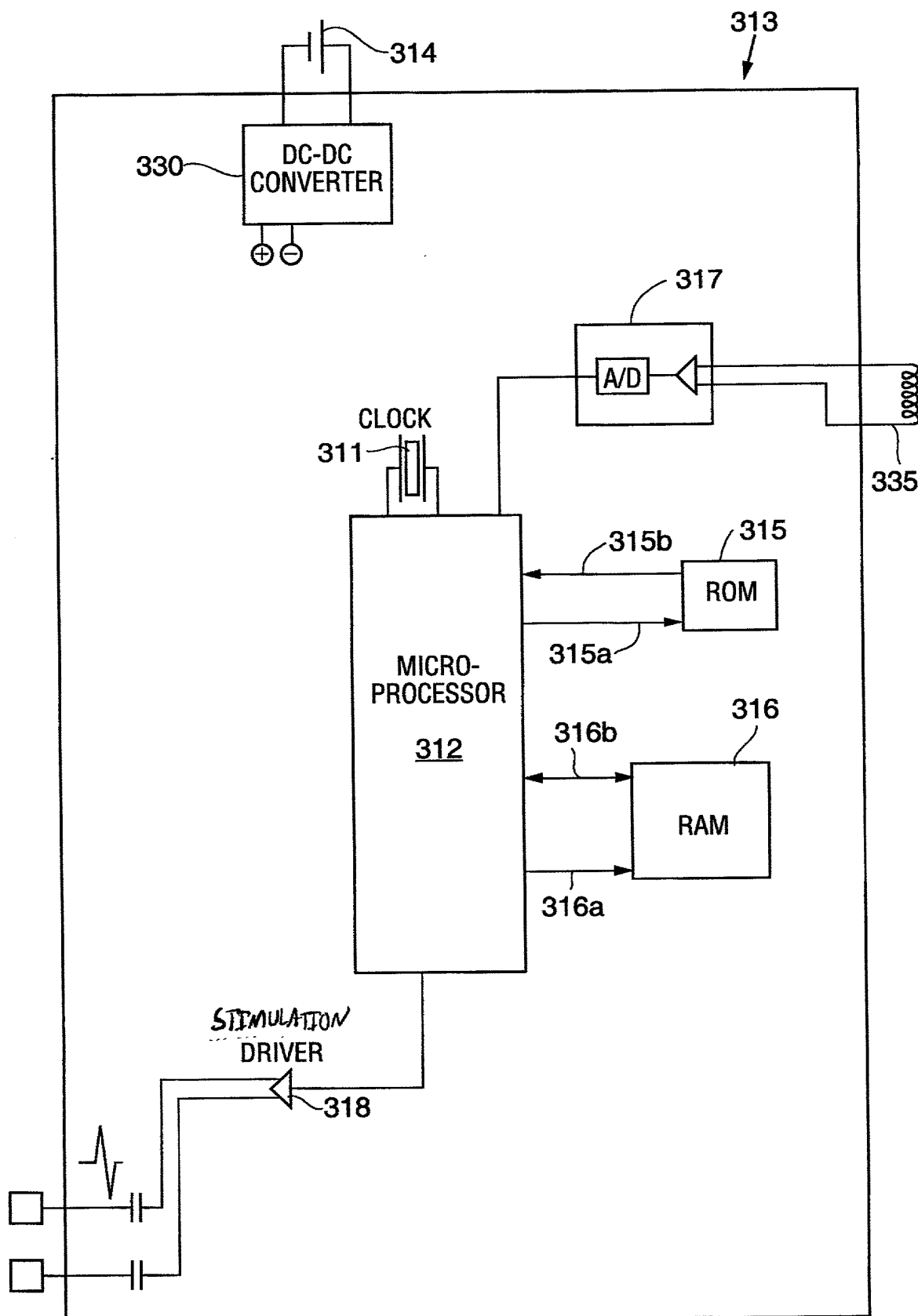


FIG. 23